

CAPS Infrastructure Report

Year:	2011
State:	Kansas
Cooperative Agreement Name:	Infrastructure Project
Cooperative Agreement Number:	11-8453-1223-CA
Project Funding Period:	July 1, 2011-June 30, 2012
Project Report:	CAPS Infrastructure Report
Project Document Date:	July 1, 2011-December 31, 2011
Cooperators Project Coordinator:	Laurinda Ramonda
Name:	Plant Protection and Weed Control
Agency:	Kansas Department of Agriculture
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input checked="" type="checkbox"/>
Annual Accomplishment Report	<input type="checkbox"/>

- A. Compare actual accomplishments to objectives established as indicated in the workplan. When the output can be quantified, a computation of cost per unit is required when useful.*

ACTIVITIES

Possible Meetings and Outreach Tradeshows as Per Workplan

Meeting or Tradeshow	Month Planned	Month Occurred	SSC Attended and Where
National Plant Board	July	August	No, Denver, CO
Great Plains Tree Pest Council	June/July	July	No, Cheyenne, WY
Horticulture Inspection Society Meeting	October	October	Yes, Rapid City, SD
Central Plant Board	March		
Kansas Natural Resources Meeting	February		No
State CAPS committee meetings	(1-2 times a year)		
Shade Tree Conference	January	January	Yes, Topeka, KS
Western Landscape and Nursery Tradeshow (now called National Green Centre)	January	January	Yes, Olathe, KS
Topeka Garden Show	February	February	Yes, Topeka, KS
Wichita Garden Show	March	No longer being held	No
Shawnee County Fair	July	July	Yes, Topeka, KS
Pest workshops	various times of year	(See table below)	(See table below)

Unplanned Meetings or Outreach Tradeshows

Meeting or Tradeshow	Month Planned	Month Occurred	Attended
Continental Dialogue on Non-Native Forest Insects and Diseases meeting	N/A	October	Yes, Boulder, CO
Great Plains Growers Conference	N/A	January	Yes, St. Joe, MO
Planning Section Chief Training	N/A	December	Yes, Blue Springs, MO

OUTREACH AND EDUCATION

- **Shawnee County Fair** – July 21-24, 2011 – Topeka, KS - Informational booth – Laurinda Ramonda, Greg Chrislip and Jeff Vogel. Approximately 500 Don't Move Firewood tote bags were distributed.



MEETINGS

- **Strategic Food and Agriculture Planning Session #2** – July 19-20, 2011 – Topeka, KS - Laurinda Ramonda
- **Strategic Food and Agriculture Planning Workshop** – August 2-3, 2011 – Topeka, KS – Laurinda Ramonda, Jeff Vogel, Greg Chrislip, Jon Appel (KDA), Vicki Wohlers, Erin Stiers, Craig Webb (USDA-APHIS-PPQ), Jim Stack, Sharon Dobesh (NPDN).
These meetings are to help in the production of an overarching agriculture emergency plan and annex development for each program (Plant Protection & Weed Control, Food Contamination and Animal Disease).
- **National Plant Board meeting** – August 7-11, 2011 – Denver, Colorado – Jeff Vogel attended.
- **Continental Dialogue on Non-Native Forest Insects and Diseases meeting** – October 5-6, 2011 – Boulder, Colorado – Laurinda Ramonda
- **Central Chapter Horticulture Inspection Society meeting** – October 18-20, 2011 – Rapid City, South Dakota – Laurinda Ramonda, Bob Buhler, Greg Chrislip

H.I.S. meeting
field trip



TRAINING

- **Planning Section Chief training** – December 5-8, 2011 – Blue Springs, Missouri – Laurinda Ramonda
– This training was paid through Homeland Security funding.

EQUIPMENT

Equipment Planned For

Laptop computer with docking station, monitor, keyboard, mouse, printer, etc. for State Survey Coordinator to replace 3+ year old system	\$2,500
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Equipment Purchased

Item	Cost	Date Purchased
Dell laptop computer with Windows 7, docking station, 2 monitors, Bluetooth mice (1 for traveling & 1 for office), Bluetooth keyboard and Dell laser color printer	\$2,200	8/29/11

OTHER

- **Central Plant Board National CAPS Committee State Survey Coordinator Representative** – Laurinda Ramonda - Three-year term, January 1, 2012-December 31, 2014

Records Submitted to NAPIS (not CAPS)

Pest: ASIAN GYPSY MOTH and GYPSY MOTH (European)

County	Positive	Negative
Ellsworth	0	4
Franklin	0	6
Jewell	0	4
Johnson	0	4
Leavenworth	0	2
Miami	0	2
Mitchell	0	2
Norton	0	2
Pottawatomie	0	2
Rooks	0	2
Russell	0	6
Sedgwick	0	4
State Total	0	40

Records Submitted to IPHIS (not CAPS)

Survey Name	County Name	Service Activity Date	Activity Action	Trap Type	Lure
Gypsy Moth	Ellsworth	4/11/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Ellsworth	4/11/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Franklin	5/10/2011	INSTALL	Delta	Disparlure
		8/18/2011	REMOVE		
Gypsy Moth	Franklin	5/10/2011	INSTALL	Delta	Disparlure
		8/17/2011	REMOVE		
Gypsy Moth	Franklin	5/23/2011	INSTALL	Delta	Disparlure
		8/17/2011	REMOVE		
Gypsy Moth	Jewell	4/20/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Jewell	4/20/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Johnson	5/6/2011	INSTALL	Delta	Disparlure
		9/8/2011	REMOVE		
Gypsy Moth	Johnson	5/11/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE (MISSING)		
Gypsy Moth	Johnson	5/11/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Leavenworth	5/12/2011	INSTALL	Delta	Disparlure
		7/21/2011	REMOVE		
Gypsy Moth	Miami	5/17/2011	INSTALL	Delta	Disparlure
		9/6/2011	REMOVE		
Gypsy Moth	Mitchell	4/20/2011	INSTALL	Delta	Disparlure
		9/1/2011	REMOVE		
Gypsy Moth	Norton	4/18/2011	INSTALL	Delta	Disparlure
		9/2/2011	REMOVE		
Gypsy Moth	Pottawatomie	5/16/2011	INSTALL	Delta	Disparlure
		9/7/2011	REMOVE		
Gypsy Moth	Rooks	4/19/2011	INSTALL	Delta	Disparlure
		8/25/2011	REMOVE		
Gypsy Moth	Russell	4/5/2011	INSTALL	Delta	Disparlure
		8/26/2011	REMOVE		
Gypsy Moth	Russell	4/5/2011	INSTALL	Delta	Disparlure
		8/26/2011	REMOVE		
Gypsy Moth	Russell	4/5/2011	INSTALL	Delta	Disparlure
		8/26/2011	REMOVE		
Gypsy Moth	Sedgwick	6/1/2011	INSTALL	Delta	Disparlure
		10/7/2011	REMOVE		
Gypsy Moth	Sedgwick	6/1/2011	INSTALL	Delta	Disparlure
		8/18/2011	REMOVE		

B. If appropriate, explain why objectives were not met.*

C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000. *

D. Supporting Documents

2011 STATE PEST LIST

Rank	Common Name	Scientific Name	Pest Type
1	Red Imported Fire Ant	<i>Solenopsis invicta</i>	Insect
2	European Alfalfa Beetle	<i>Subcoccinella vigintiquaturopunctata</i>	Insect
3	Gypsy Moth	<i>Lymantria dispar</i>	Insect
4/5	Walnut Twig Beetle	<i>Pityophthorus juglandis</i>	Insect
4/5	Thousand Cankers Disease	<i>Geosmithia spp.</i>	Fungus
6	Witch Weed	<i>Striga spp.</i>	Noxious Weed
7	Asian Longhorned Beetle	<i>Anoplophora glabripennis</i>	Insect
8	Winter Moth	<i>Operophtera brumata</i>	Insect
9	Hydrilla	<i>Hydrilla verticillata</i>	Noxious Weed
10	Oak Splendour Beetle	<i>Agrilus biguttatus</i>	Insect
11	Black Swallow Wort	<i>Vincetoxicum nigrum</i>	Noxious Weed
12	False Codling Moth	<i>Thaumaatotibia leucotreta</i>	Insect
13	Khapra Beetle	<i>Trogoderma granarium</i>	Insect
14	Giant Salvinia	<i>Salvinia spp.</i>	Noxious Weed
15	Africanized Honey Bee	<i>Apis mellifera</i>	Insect
16	Potato Wart	<i>Synchytrium endobioticum</i>	Disease
17/18	Karnal Bunt	<i>Tilletia indica</i>	Disease
17/18	Japanese Beetle	<i>Popillia Japonica Newman</i>	Beetle
19	Mediterranean Cereal Cyst Nematode	<i>Heterodera latipons</i>	Nematode
20	Potato Cyst Nematode	<i>Globodera pallida</i>	Nematode
21	Emerald Ash Borer	<i>Agrilus planipennis</i>	Insect
22	Cereal Cyst Nematode	<i>Heterodera avenae</i>	Nematode
23	British Root Knot Nematode	<i>Meloidogyne artiellia</i>	Nematode
24	Formosan Subterranean Termite	<i>Coptotermes formosanus</i>	Insect
25	Cactus Moth	<i>Cactoblastis cactorum</i>	Insect
26	Summer Fruit Tortrix	<i>Adoxophyes orana</i>	Insect
27	Brown Marmorated Stinkbug	<i>Halyomorpha halys</i>	Insect
28	Whitefringed Beetle	<i>Naupactus spp.</i>	Insect
29/30/31	Asiatic Garden Beetle	<i>Maladera castanea</i>	Insect
29/30/31	European Chafer	<i>Rhizotrogus majalis</i>	Insect
29/30/31	Oriental Beetle	<i>Exomala orientalis</i>	Insect

2011 STATE COMMODITY LIST

Rank	Commodity	Sales	Acres
1	Wheat	\$1,872,000,000	8,400,000
2	Forage, Hay	\$514,900,000	5,700,000
3	Corn	\$3,051,563,000	4,850,000
4	Soybeans	\$1,657,500,000	4,300,000
5	Sorghum	\$952,812,000	2,350,000
6	Sunflower	\$40,788,000	139,000
7	Forage, Alfalfa	\$279,110,000	80,000
8	Oats	\$2,750,000	65,000
9	Cotton	\$34,675,000	51,000

10	Barley	\$2,750,000	10,000
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Sources: 2010 National Agriculture Statistics Service

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by

Cooperator

Date: _____

ADODR

Date: _____

Fall 2011

An Unusual Bark Beetle:

Xyleborinus saxeseni

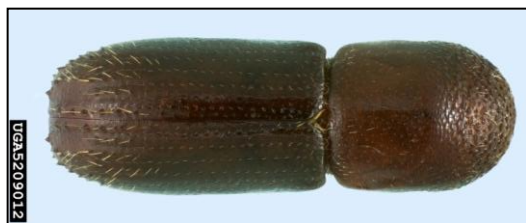
Greg Chrislip, State Entomologist

While conducting a nursery inspection this summer, one of our area inspectors found an interesting scolytid (bark) beetle on some Green Mountain maples. Initially, the beetles were thought to be *Xylosandrus crassiusculus* (called the Asian ambrosia beetle). The beetles lacked the rows of asperities (bumps) found on the front of the pronotum, which are very evident in *X. crassiusculus*. The most notable feature of an infested plant is the strings of frass sticking out from the trunk of the infested plants. The preferred host plant for these species varies from fruit trees to hardwoods and conifers. With a heavy infestation the plant wilts and eventually dies. There are many records of this beetle in the Kansas entomological holdings at Kansas University, most made by Glen Salisbury the former state entomologist.



Chains of frass protruding from a tree infested with bark beetles.

Photo: University of Florida



Granulate Ambrosia Beetle (*Xylosandrus crassiusculus*): Note the rows of asperities on the leading edge of the pronotum.



Asian Ambrosia Beetle (*Xyleborinus saxeseni*)

Common Nursery Weeds in Kansas

Darin L. Banks, Weed Specialist

It's never too late in the year to think about spring planting. When the early spring days start to warm and the snow melts, many Kansas nurseries find that the once-dormant seeds of many weed species also start to awaken. As any nursery manager can tell you, the control of weedy plants in field and container-grown nursery stock is one of the most labor intensive and costly expenses of plant production. Factors such as nursery stock origin, storage locations, prior weed control practices and environmental variances make weed control especially difficult. Additionally, numerous weedy species may become problematic at the same time. The success of any weed control program begins with the correct identification of weedy species present, in addition to an understanding the plants' life cycles, modes of reproduction and dispersal techniques.

Plant nurseries often have to deal with a wide variety of weedy plant species depending upon what type of production facilities they utilize. Additionally, some

weedy plant species, such as field bindweed and Canada thistle, are state-declared noxious weeds. Nursery stock that is found to be infested with any state -declared noxious weed or quarantined plant species is illegal for sale or distribution within Kansas and must be destroyed once infestations are verified.



Canada thistle plants emerging in the spring from rhizomes infesting field-grown forsythia shrubs

Included below are the state declared noxious weeds and quarantined plant species for Kansas, as well as some of the more common weedy plant species found in field and container-grown nursery stock.

Kansas Noxious Weeds	
Common Name	Scientific Name
Russian knapweed	<i>Acroptilon repens</i>
bur ragweed	<i>Ambrosia grayi</i>
hoary cress	<i>Cardaria draba</i>
musk thistle	<i>Carduus nutans</i>
Canada thistle	<i>Cirsium arvense</i>
bull thistle ¹	<i>Cirsium vulgare</i>
field bindweed	<i>Convolvulus arvensis</i>
quackgrass	<i>Elymus repens</i>
leafy spurge	<i>Euphorbia esula</i>
pignut	<i>Hoffmannseggia glauca</i>
sericea lespedeza	<i>Lespedeza cuneata</i>
kudzu	<i>Pueraria montana var. lobata</i>
multiflora rose ¹	<i>Rosa multiflora</i>
Johnsongrass	<i>Sorghum halepense</i>

¹ County-designated noxious weed.

Kansas Quarantined Plants	
Common Name	Scientific Name
Grecian foxglove	<i>Digitalis lanata</i>
hydrilla ²	<i>Hydrilla verticillata</i>
Japanese bloodgrass ²	<i>Imperata cylindrica</i>
purple loosestrife ³	<i>Lythrum salicaria</i>
wand loosestrife ³	<i>Lythrum virgatum</i>
giant salvinia ²	<i>Salvinia</i> spp.
tamarisk / salt cedar	<i>Tamarix</i> spp.

² Included from a quarantine of all federal noxious weed species.

³ Includes all hybrids derived from these species.

Common Container Weeds	
Common Name	Scientific Name
bittercress	<i>Cardamine</i> spp.
mouse-ear chickweed	<i>Cirsium fontanel ssp. vulgare</i>
sandmat	<i>Chamaesyce</i> spp.
crabgrass	<i>Digitaria</i> spp.
false daisy	<i>Eclipta prostrata</i>
green carpetweed	<i>Mollugo verticillata</i>
woodsorrel / oxalis	<i>Oxalis</i> spp.
annual bluegrass	<i>Poa annua</i>
common groundsel	<i>Senecio vulgaris</i>
spiny sowthistle	<i>Sonchus asper</i>
common chickweed	<i>Stellaria media</i>

Common Field Weeds	
Common Name	Scientific Name
velvetleaf	<i>Abutilon theophrasti</i>
Virginia threeseed mercury	<i>Acalypha virginica</i>
pigweed	<i>Amaranthus</i> spp.
annual ragweed	<i>Ambrosia artemisiifolia</i>
great ragweed	<i>Ambrosia trifida</i>
yellow rocket	<i>Barbarea vulgaris</i>
annual brome	<i>Bromus</i> spp.
hedge bindweed	<i>Calystegia sepium</i>
shepherd's purse	<i>Capsella bursa-pastoris</i>
lambsquarters / goosefoot	<i>Chenopodium</i> spp.
common dayflower	<i>Commelina communis</i>
horseweed	<i>Conyza canadensis</i>
yellow nutsedge	<i>Cyperus esculentus</i>
rough barnyardgrass	<i>Echinochloa muricata</i>
spurge	<i>Euphorbia</i> spp.
common bedstraw	<i>Galium aparine</i>
white avens	<i>Geum canadense</i>
ivyleaf morning-glory	<i>Ipomoea hederacea</i>
henbit	<i>Lamium amplexicaule</i>
Virginia pepperweed	<i>Lepidium virginicum</i>
common mallow	<i>Malva neglecta</i>
black medic	<i>Medicago lupulina</i>
common evening primrose	<i>Oenothera biennis</i>
cutleaf evening primrose	<i>Oenothera laciniata</i>
witchgrass	<i>Panicum capillare</i>
plantain	<i>Plantago</i> spp.
smartweed / knotweed	<i>Polygonum</i> spp.
purslane	<i>Portulaca oleracea</i>
Russian thistle	<i>Salsola tragus</i>
foxtail	<i>Setaria</i> spp.
nightshade	<i>Solanum</i> spp.
common dandelion	<i>Taraxacum officinale</i>
clover	<i>Trifolium</i> spp.

For more information concerning noxious weeds and quarantined plants please contact us at 785-862-2180 or go to

www.ksda.gov/plant_protection/content/360.

Changes to the Plant Pest and Agriculture Certification Act

Jeff Vogel, Program Manager

The Plant Pest and Agriculture Commodity Certification Act were amended during the 2011 legislative session.

Most of the amendments are to provide language clarification to parts of the act. Some of the highlighted changes include:

1. License requirements for live plant dealers - Live plant dealers that do not import or export plants into or from Kansas and have gross receipts from the business of less than \$10,000, are exempt from licensing requirements. To claim the exemption, live plant dealers must annually complete an application stating their locations and sources.
2. License fees for live plant dealers are increased from \$60 to \$80.
3. The \$15,000 cap on the emergency pest fund is removed.
4. The act clarifies the authority of inspectors to enter, place and inspect monitoring equipment (traps), and obtain samples.
5. Requires all live plants, handled by a live plant dealer, to be accompanied by a tag, label, bill of lading, receipt or other documentation that identifies the consigner or shipper, a description of the contents, and the point of origin.
6. A mechanism is added for the Department to assess mitigation costs to live plant dealers that fail to comply with a regulatory action.
7. Increases the maximum civil penalty from \$1,000 to \$2,000 per violation.

Retired Staff



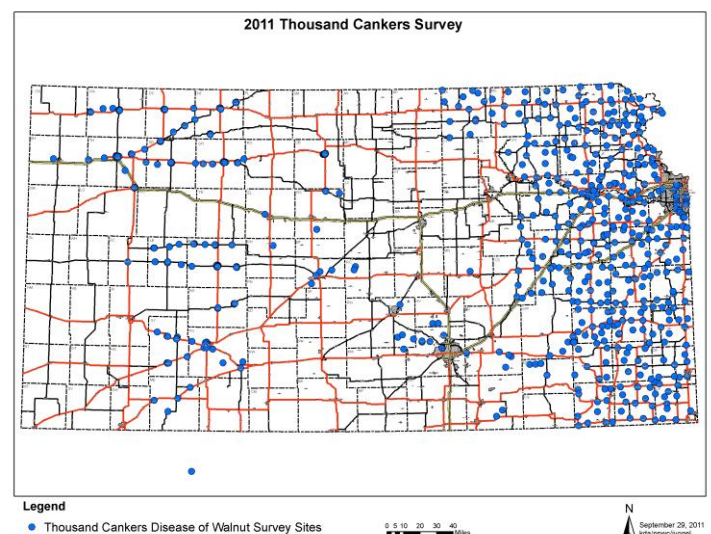
Terry Clarkson the southwest area inspector retired on September 16, 2011. He has more than 23 years of service with the Kansas Department of Agriculture. His first 19 years was with the

Pesticide and Fertilizer Program and the rest was with the Plant Protection and Weed Control Program.

Trapping and Survey Programs

The national trapping survey for Emerald Ash Borer consisted of 200 traps being set in Kansas for 2011. Of these, 100 were set by the state and 100 were set by USDA-APHIS-PPQ. The traps were put up primarily in campgrounds and event areas from April through September. No EAB was found. For information on the Emerald Ash Borer go to: www.emeraldashborer.info.

There were 2 more eastern states added to the list for thousand cankers disease. On June 24, Virginia and on July 29, Pennsylvania had positive confirmations for the disease. Tennessee is the other eastern state that was positive for the disease in 2010. Other positive states are Colorado and the western United States. We have been visually inspecting walnut trees across the state this year for the walnut twig beetle and thousand cankers disease of walnut and completed 773 observations. So far we have not found it. If you should see walnut trees exhibiting signs of this disease contact our department. For more information, visit our website: http://www.ksda.gov/plant_protection/content/350/cid/1615



Starting in October, we will be coming to some of your businesses to hang traps to check for the winter moth and doing visual inspections for gypsy moth eggs. The traps will be in place starting in October and taken down in December. For information on the winter moth go to:

<http://www.massnrc.org/pests/pestFAQsheets/winter%20moth.html>

We appreciate the live plant dealers who let us put traps on their property. This type of work is of great importance in protecting Kansas. Early detection will improve the odds of eradication and containment success if the pests are found.

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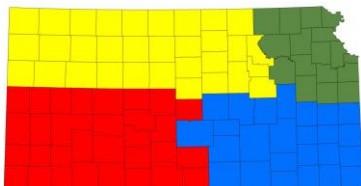
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Southeast Kansas

Vacant

(Currently covered by Cherie Copeland)



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